Wisconsin
Department of Commerce

Approval # 980009-U
(Replaces 920121-U)

Safety & Buildings Division
201 West Washington Avenue
P.O. Box 2689
Madison, WI 53701-2689

Wisconsin
Material Approval

Material: Aboveground Double-Wall Storage Tank

Manufacturer:
We-Mac Manufacturing Company
326 East 14th Avenue
P.O. Box 12378
North Kansas City, MO 64116

SCOPE OF EVALUATION

The aboveground double wall storage tanks, manufactured by We-Mac Manufacturing Company, have been evaluated in accordance with **s. ILHR 10.415(7)(b)** of the Wisconsin Administrative Flammable and Combustible Liquids Code.

DESCRIPTION AND USE

The We-Mac double wall aboveground storage tank is available in either vertical or horizontal configurations. A built-in monitoring well is provided. The horizontal tanks are provided with integral steel foundations of various configurations.

TESTS AND RESULTS

Underwriters Laboratories, Inc. has tested and listed the double wall tank systems in accordance with UL Standard 142. The horizontal tanks use UL approved skid and saddle designs.

LIMITATIONS OF APPROVAL

The secondary containment tank is approved for compliance with the secondary containment requirements of **10.415 (7)(b)** and may be used without a dike, except in the case of public access waste oil collection. Tanks for public-access waste oil collection shall be provided with a dike in accordance with **s.ILHR 10.33**.

Tanks up to 10,000 gallons may be used for vehicle fueling in accordance with **s.ILHR 10.415**.

All tanks, regardless of capacity, shall have a minimum total wall thickness (heads and shells) of 7/16 inch. This is deemed sufficient to meet the projectile protection requirements of **s. ILHR 10.415 (7)(b)** and may be achieved by a combination of 1/4-inch and 7 gauge sheet thicknesses.

Double wall tanks with lesser wall thicknesses may be used inside a building without a dike subject to the requirements of **Chapter 10 and NFPA 30 and 31**.

Compartmentalized tanks shall be constructed with a double bulkhead in accordance with UL Standard 142. This interstitial space between compartments shall be monitored for leaks.

A spill container shall be provided at the fill opening in accordance with **s. ILHR 10.415 (12)(a)**.

Separate vehicle collision protection shall be provided by a barrier that meets the design requirements specified in **s. ILHR 10.415 (8)(a)**.

No attachments or alterations shall be made to the tank which violate or void the UL listing.

The tank system shall be installed to allow full visual inspection of the secondary containment system. For vertical tanks which sit directly on the ground, the tank shall be placed on a concrete or similarly impervious pad with an area large enough to support the entire tank bottom. Periodic vacuum tightness testing shall be performed on the interstice by the owner after the tank is ten years old to assure the integrity of the bottom of the outer tank.

The interstitial space shall be monitored for leaks. The monitor must be capable of detecting a leak from anywhere in the inner tank.

The installer shall be certified by the department in accordance with **Ch. Comm 5**.

This approval will be valid through December 31, 2003, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department. The Wisconsin Material Approval Number must be provided when plans that include this product are submitted for review.

DISCLAIMER

The department is in no way endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive any code requirement not specified in this document.

Reviewed by: _____

Approval Date: _____ By: _____

Duane D. Hubeler
Mechanical Code Consultant
Program Development Bureau

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